

User Stories

- Requirement by client:

Epic	ID	As a	I want to	So that	Story Point	Moscow Priority	Acceptance Criteria	Justification
1. Book Programs	1.1	Partner school teacher	Contact science gallery staff to book in for a free workshop	I can arrange for my students to have an educational experience at the Science Gallery	N/A	Won't have	N/A	Strategic focus on digital booking systems.
	1.2	Non-partner school teacher	Request and book Science Gallery programs via a clear interface	I can provide my students with access to innovative and educational experiences	5	Must have	<ul style="list-style-type: none">• Given: A non-partner school teacher wants to book a program and opens the interface.• When: The teacher enters their details, selects the program and submits the request.• Then: The interface shows a message that the request has been successfully submitted.	Essential for accessibility and educational outreach.
	1.3	Non-partner school teacher	Cancel a booking in the Science Gallery	I can avoid wasting the allocated spots	N/A	Won't have	N/A	Focus on commitment and streamlin

								ed booking manage ment.
	1.4	Non-partner school teacher	Request a Science Gallery program from a drop-down list	I can select the programs that are bookable	2	Must have	<ul style="list-style-type: none"> Given: non-partner school teacher wants to select a program When: The teacher selects the program Then: A drop-down list is shown containing only bookable programs. 	Make it easier for gallery staff to process booking requests.
2. System Log-in	2.1	Science Gallery staff	Log in to the booking management system as admin and use any feature of the system	I can efficiently manage bookings and enhance operational efficiency	5	Must have	<ul style="list-style-type: none"> Given: The staff has an account that is already stored in a database. When: The staff wants to manage the bookings and get information . Then: The staff log in successfully, can view the dashboard and manage the bookings. 	Critical for secure and comprehensive system management.

3. Manage Booking Requests	3.1	Science Gallery staff	Have the booking requests submitted by teachers in the system and store them in the database	I can efficiently process the booking requests and avoid manual data entry in Excel	8	Must have	<ul style="list-style-type: none"> Given: Booking requests have been submitted by teachers. When: The staff can directly view the booking information through the dashboard. Then: The system automatically stores the data in a database and can be viewed through the dashboard. 	Automates and streamlines booking request management.
	3.2	Science Gallery staff	Create and add a new booking	I can store and record every booking detail for better management and tracking	3	Must have	<ul style="list-style-type: none"> Given: Science Gallery staff has logged in to the system. When: The staff adds a new booking. Then: The new booking details should be stored in the system successfully. 	Essential for accurate and efficient booking creation.
	3.3	Science Gallery staff	Delete an existing booking	I can manage space availability more efficiently and accommodate new	2	Must have	<ul style="list-style-type: none"> Given: A booking exists in the system. 	Enables flexible booking management and

			or rescheduled events			<ul style="list-style-type: none"> • When: The science gallery staff decides to delete this booking. • Then: The booking should be successfully removed from the database. 	space optimization.
3.4	Science Gallery staff	View an existing booking	I can confirm the details and prepare for the upcoming event	2	Must have	<ul style="list-style-type: none"> • Given: The booking has already been submitted and stored in the database. • When: The staff wants to see the booking details. • Then: The staff can view all detailed information through a form in the dashboard. 	Critical for event preparation and verification.
3.5	Science Gallery staff	Edit an existing booking	I can accommodate changes requested by visitors or correct booking errors, and update data fields to manage the logistics of bookings	3	Must have	<ul style="list-style-type: none"> • Given: The booking is stored in the system. • When: The staff wants to edit the booking details. • Then: The changes should be successfully updated. 	Ensures booking accuracy and flexibility.

3.6	Science Gallery staff	Confirm a booking	I can distinguish which bookings are valid and which ones are invalid due to scheduling conflicts	3	Must have	<ul style="list-style-type: none"> Given: The booking information is already in the dashboard. When: The staff wants to distinguish which bookings are valid. Then: The valid booking will have a status tag which shows it is valid. 	Vital for maintaining an organized and conflict-free schedule.
3.7	Science Gallery staff	View all bookings in a list	I can see and manage all booking requests and past booking records	3	Must have	<ul style="list-style-type: none"> Given: All bookings are stored in the database and can be viewed through the dashboard. When: The staff wants to see all bookings. Then: All bookings could be viewed by a list in the dashboard. 	Enables comprehensive booking oversight.
3.8	Science Gallery staff	View the confirmed bookings in a filtered list	I can efficiently check whether new booking requests may clash with existing confirmed ones	3	Should have	<ul style="list-style-type: none"> Given: The bookings have status tags that show it is the valid bookings. When: The staff wants to view all 	Improves scheduling efficiency and conflict resolution.

							valid bookings in a list. <ul style="list-style-type: none"> • Then: All bookings that have the valid status tag would be put into a list. 	
4. Booking Records Reporting	4.1	Science Gallery staff	Export all booking data from the database to my local machine as Excel	I can efficiently manage and analyse our booking information	8	Must have	<ul style="list-style-type: none"> • Given: Booking data are stored in the database. • When: The staff wants to export the booking data to manage them locally. • Then: The booking information should be successfully exported in Excel format. 	Enables data-driven decision-making and reporting.
	4.2	Science Gallery staff	Export a report about all the bookings	I can analyse visitor trends and manage gallery resources more efficiently	8	Must have	<ul style="list-style-type: none"> • Given: The past booking data are collected in the system. • When: The science gallery staff wants to have a report on the data. • Then: The report on the 	Facilitates strategic planning and resource allocation.

							booking data containing pre-defined metrics should be generated.	
5. Manage School List	5.1	Science Gallery staff	Add a school record	I can record relevant information, such as school's ABN number, when a new school visits for the first time	2	Must have	<ul style="list-style-type: none"> Given: The database has already built a structure to store the school record and the staff could open under the school record page. When: The staff fill in the school record form and submit it. Then: The new school record could be added to the database and shown on the school record page. 	Facilitates the recording of new school visits for future reference.
	5.2	Science Gallery staff	Edit a school record	I can update information when there are changes or corrections to be made to the details of a school that has visited	2	Must have	<ul style="list-style-type: none"> Given: The database has already built a structure to store the school record and the staff could open 	Allows for up-to-date maintenance of school records.

						<p>under the school record page.</p> <ul style="list-style-type: none"> • When: The staff edit the existing school record through the school record page. • Then: The information changed in the database and the page. 	
5.3	Science Gallery staff	Delete a school record	I can remove information that is no longer relevant or necessary, such as when a school no longer exists or ceases to participate in gallery events	2	Must have	<ul style="list-style-type: none"> • Given: The database has already built a structure to store the school record and the staff could open under the school record page. • When: The staff delete the existing school record through the school record page. • Then: The school record is deleted from the database 	Ensures database relevance by removing outdated records.

							and the page.	
	5.4	Science Gallery staff	Check a school record	I can view information about schools that have visited, including their ABN number etc., to better prepare for and personalize their future visits	2	Must have	<ul style="list-style-type: none">Given: The school information in the booking requests and the previous school record is already stored in a database.When: The staff click the school record to see all school information .Then: The dashboard shows all school records.	Enhance s preparati on for and personali zation of future visits.
6 Manage Program List	6.1	Science Gallery staff	Add a new program	We can provide more diverse and engaging activities for schools to participate in, enriching their experience and learning opportunities	3	Must have	<ul style="list-style-type: none">Given: The science gallery staff is on the program creation page.When: The staff adds a new program and inputs program details.Then: The new program details should be stored in the system.	Supports the introducti on of varied education al programs .

6.2	Science Gallery staff	Delete a program	we can ensure our activities remain relevant, up-to-date, and of high quality, removing those that are no longer viable or popular	2	Must have	<ul style="list-style-type: none"> Given: A program is stored in the system. When: The science gallery staff decides to delete the program. Then: The program should be removed from the system and database. 	Allows for the maintenance of a high-quality program roster.
6.3	Science Gallery staff	Edit a program	I can update information such as the program description, target age group, or any special requirements. This ensures that all program offerings are accurately represented and can meet the evolving needs and interests of visiting schools	3	Must have	<ul style="list-style-type: none"> Given: A program is stored in the system. When: The science gallery staff updates the program details. Then: The changes should be stored in the system. 	Ensures that program offerings remain relevant and appealing .
6.4	Science Gallery staff	View a program	I can confirm all the specific details about the program when creating a new booking	2	Must have	<ul style="list-style-type: none"> Given: A program is stored in the system. When: The staff clicks on a specific program. Then: The system should display the program details. 	Essential for accurate program booking and planning.

	6.5	Science Gallery staff	Change a program's status	I can ensure that the school teacher can only select the bookable programs when submitting forms, and better manage the program lists	2	Must have	<ul style="list-style-type: none"> Given: A program is stored in the system. When: The staff changes the specific status of a program. Then: The system should store the change in status and display it. 	Manages the program list better and ensure only bookable programs can appear in the booking request form.
7. Manage To-do Checklists	7.1	Science Gallery staff	View the to-do checklist for each booking	I can see the subsequent tasks to perform	3	Must have	<ul style="list-style-type: none"> Given: The system stores booking details and the checklist template. When: The staff clicks on the checklist of a specific booking. Then: The system should display the checklist (which is generated based on a corresponding template). 	Improves organizational efficiency and event preparation.
	7.2	Science Gallery staff	Complete tasks in a specific booking's checklist	I can ensure all necessary preparations for the event are done	5	Must have	<ul style="list-style-type: none"> Given: A checklist exists for a booking and the staff is on the 	Critical for ensuring event readiness and task completion.

							checklist page. • When: The staff completes a task in the list (e.g. tick the box). • Then: The task's updated status should be saved in the system.	
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• Requirement by ourselves:

Epic	ID	As a	I want to	So that	Size Estimation	Moscow Priority	Acceptance Criteria	Justification
8. Manage Booking Requests	8.1	Science Gallery staff	View bookings from a calendar view	I can efficiently manage and oversee gallery bookings	5	Could have	• Given: The booking data containing booking date information is stored in the system. • When: The staff opens the dashboard interface. • Then: The system should display the existing booking	Provides a visual overview for better management

							data in a calendar format.	
9. Manage Room List	9.1	Science Gallery staff	Add a new room record	I can expand our space offerings for activities, detailing the maximum occupancy and available equipment	2	Could have	<ul style="list-style-type: none"> Given: The database has the room information structure, and the staff open the room record page. When: The staff fill in the form to add a new room record. Then: The new room could be viewed on the room record page and stored in a database. 	Facilitates space offering expansion.
	9.2	Science Gallery staff	Delete a room record	I can keep our database clean and current, removing spaces no longer available for activities	2	Could have	<ul style="list-style-type: none"> Given: The database has the room information structure, and the staff open the room 	Ensures database accuracy and relevance.

						<ul style="list-style-type: none"> record page. When: The staff click the edit to delete an existing room record. Then: The deleted room would disappear from the room record page and delete the record in the database. 	
9.3	Science Gallery staff	Edit a room record	I can update details like maximum occupancy and equipment, keeping our offerings relevant and suited to the activities planned	2	Could have	<ul style="list-style-type: none"> Given: The database has the room information structure, and the staff open the room record page. When: The staff click the edit to edit the room record information. 	Allows for the maintenance of accurate and relevant room details.

						<ul style="list-style-type: none"> Then: The changed information is updated in the database and page. 	
9.4	Science Gallery staff	View a room record	I can understand its capacity and facilities, ensuring it matches the needs of upcoming activities	2	Could have	<ul style="list-style-type: none"> Given: The database has the room information structure, and the staff open the room record page. When: The staff open the page and all room records can be viewed. Then: The room record should display the room information. 	Essential for planning and matching room capabilities with activity needs.

Size Estimation

Story point to development days mapping table:

Story Point	Corresponding Day
1	~Half-day
2	1-2 days

3	2-3 days
5	3-5 days
8	6-10 days